CLAIM AMENDMENTS

1. (currently amended): A biodegradable multi-block copolymer, comprising randomly arranged hydrolysable segments each composed of pre-polymer A or pre-polymer B, which segments are randomly connected to each other by multi-functional chain extenders, and

wherein the multi-block copolymer is completely amorphous at ~~physiological (body)~~ human body conditions.

2. (currently amended): A copolymer of claim 1, which has a glass transition temperature below body temperature at ~~physiological (body)~~ human body conditions.

3. (previously presented): A copolymer of claim 1, wherein pre-polymer A and/or pre-polymer-B contain ester and/or carbonate and/or anhydride linkages, optionally in combination with polyethers.

4. (previously presented): A copolymer of claim 1, wherein pre-polymer A comprises polyether groups.

5. (previously presented): A copolymer of claim 1, wherein a polyether is present as an additional pre-polymer.

6. (previously presented): A copolymer of claim 1, wherein pre-polymer A comprises a reaction product of an ester forming monomer selected from the group consisting of diols, dicarboxylic acids and hydroxycarboxylic acids.

7. (previously presented): A copolymer of claim 1, wherein pre-polymer A comprises reaction products of at least one cyclic monomer with at least one non-cyclic initiator selected from the group consisting of diols, dicarboxylic acids and hydroxycarboxylic acids.

8. (previously presented): A copolymer of claim 7, wherein said cyclic monomer is selected from the group consisting of glycolide, lactide (L, D or DL), ε-caprolactone,

δ-valerolactone, trimethylene carbonate, tetramethylene carbonate, 1,4-dioxane-2-one (*para*-dioxanone), 1,5-dioxepane-2-one and cyclic anhydrides.

9. (previously presented): A copolymer of claim 8 wherein pre-polymer A contains at least two different cyclic monomers.

10. (previously presented): A copolymer of claim 9 wherein pre-polymer A consists of glycolide and ε-caprolactone in a 1:1 weight ratio.

11. (previously presented): A copolymer of claim 9 wherein pre-polymer A consists of glycolide and lactide in a 1:1 weight ratio.

12. (previously presented): A copolymer of claim 7, wherein said non-cyclic initiator is selected from the group of succinic acid, glutaric acid, adipic acid, sebacic acid, lactic acid, glycolic acid, hydroxybutyric acid, ethylene glycol, diethylene glycol, 1,4-butanediol and 1,6-hexanediol.

13. (previously presented): A copolymer of claim 4, wherein said polyether groups are selected from the group consisting of PEG (polyethylene glycol), PEG-PPG (polypropylene glycol), PTMG (polytetramethylene ether glycol) and combinations thereof.

14. (previously presented): A copolymer of claim 13, wherein the polyether group is PEG.

15. (previously presented): A copolymer of claim 14, wherein PEG is an initiator for ring-opening polymerization with a molecular weight between 150-4000.

16. (previously presented): A copolymer of claim 1, wherein pre-polymer A has a number average molecular weight (Mn) between 300 and 30000.

17. (previously presented): A copolymer of claim 1, wherein pre-polymer B comprises ε-caprolactone, δ-valerolactone, trimethylene carbonate, para-dioxanone, DL-lactide and/or glycolide.

18. (previously presented): A copolymer of claim 17, wherein pre-polymer B contains d,l-lactide.

19. (previously presented): A copolymer of claim 17, wherein pre-polymer B has a number average molecular weight (Mn) higher than 300.

20. (previously presented): A copolymer of claim 16, wherein pre-polymer B is present in an amount of 10-90 wt.%.

21. (previously presented): A copolymer of claim 1, having an intrinsic viscosity of at least 0.1 dl/g, and less than 6 dl/g.

22. (previously presented): A copolymer of claim 1, wherein the chain extender is derived from a difunctional aliphatic compound.

23. (previously presented): A copolymer of claim 22, wherein the chain-extender is a diisocyanate.

24. (canceled)

25. (withdrawn): A process for preparing a copolymer of claim 1, comprising a chain-extension reaction of pre-polymer A and pre-polymer B in the presence of an aliphatic chain extender, whereby a randomly segmented multi-block copolymer is obtained.

26. (withdrawn): A process for preparing a copolymer of claim 1, comprising a coupling reaction, wherein pre-polymers A and B are both diol or diacid terminated and the chain-extender is di-carboxylic acid or diol terminated, respectively, using a coupling agent.

27. (withdrawn): The process of claim 26, wherein the coupling agent is dicyclohexyl carbodiimide (DCC).

28-29. (canceled)

30. (withdrawn): The process of claim 25, wherein said chain-extender is selected from diisocyanate, di-carboxylic acid or diol, optionally in the presence of a coupling agent.

31. (withdrawn): The process of claim 25, wherein said chain-extension reaction is performed in a solvent.

32-35. (canceled)

36. (withdrawn): The process of claim 27, wherein said chain-extender is selected from diisocyanate, di-carboxylic acid or diol, optionally in the presence of a coupling agent.

37-38. (canceled)

39. (withdrawn): The process of claim 27, wherein said chain-extension reaction is performed in a solvent.

40-41. (canceled)